Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/30/2021 08:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123873	-1	1.24	123824	1.21
Blue	F	SSC	125000	123945	-1	2.33	124300	2.20
Blue	E	FITC	13131	12715	-4	2.28	295	15.76
Blue	D	PE	24112	23904	-1	1.72	548	10.40
Blue	B	PerCP-Cy5-5	31295	30535	-3	3.11	1012	14.20
Blue	A	PE-Cy7	19939	19763	-1	5.17	527	28.85
Red	C	APC	42122	41754	-1	3.00	1752	11.30
Red	A	APC-Cy7	22340	21687	-3	3.43	810	11.66
Violet	B	V450	7410	6961	-7	3.34	422	12.35
Violet	A	V500	28118	26703	-6	2.84	666	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22961	1.31	564	-5	N/A	N/A	Pass
Blue	F	SSC	57840	1.14	516	4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	483	-4	0.0391	79	Pass
Blue	D	PE	115	38.44	486	-2	0.6120	577	Pass
Blue	B	PerCP-Cy5-5	188	35.94	581	-5	0.0214	113	Pass
Blue	A	PE-Cy7	106	67.21	624	-4	0.0225	2	Pass
Red	C	APC	406	23.67	577	1	0.0285	184	Pass
Red	A	APC-Cy7	183	27.68	551	0	0.0065	1288	Pass
Violet	B	V450	59	63.54	454	1	0.0668	2544	Pass
Violet	A	V500	97	34.21	466	1	0.0263	876	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/30/2021 08:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.32	1.07
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.32	13.60 - 20.40	N/A	N/A	29.77	30.03	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9659

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments